

2172



PATENT APPLICATION
STL000022US1/0920.0042C

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the PATENT application of

Baer et al.

Serial No.: 09/489,730

Group Art Unit: 2172

Filed: January 21, 2000

Examiner: Hung Q. Pham.

For: File Structure for Storing Content Objects in a Data Repository

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Respectfully submitted,

A handwritten signature in black ink, appearing to read "J. Warren Lytle, Jr.".

J. Warren Lytle, Jr.

Registration No. 39,283

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#7
PATENT APPLICATION
STL000022US1/0920.0042C

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Baer et al.

Serial No.: 09/489,730

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For: File Structure for Storing Content Objects in a Data Repository

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Sir:

Submitted herewith are thirty-four (34) sheets of formal drawings for the above-identified patent application.

Respectfully submitted,

J. Warren Lytle, Jr.

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Rockville, Maryland 20850-3164
(301) 424-3640
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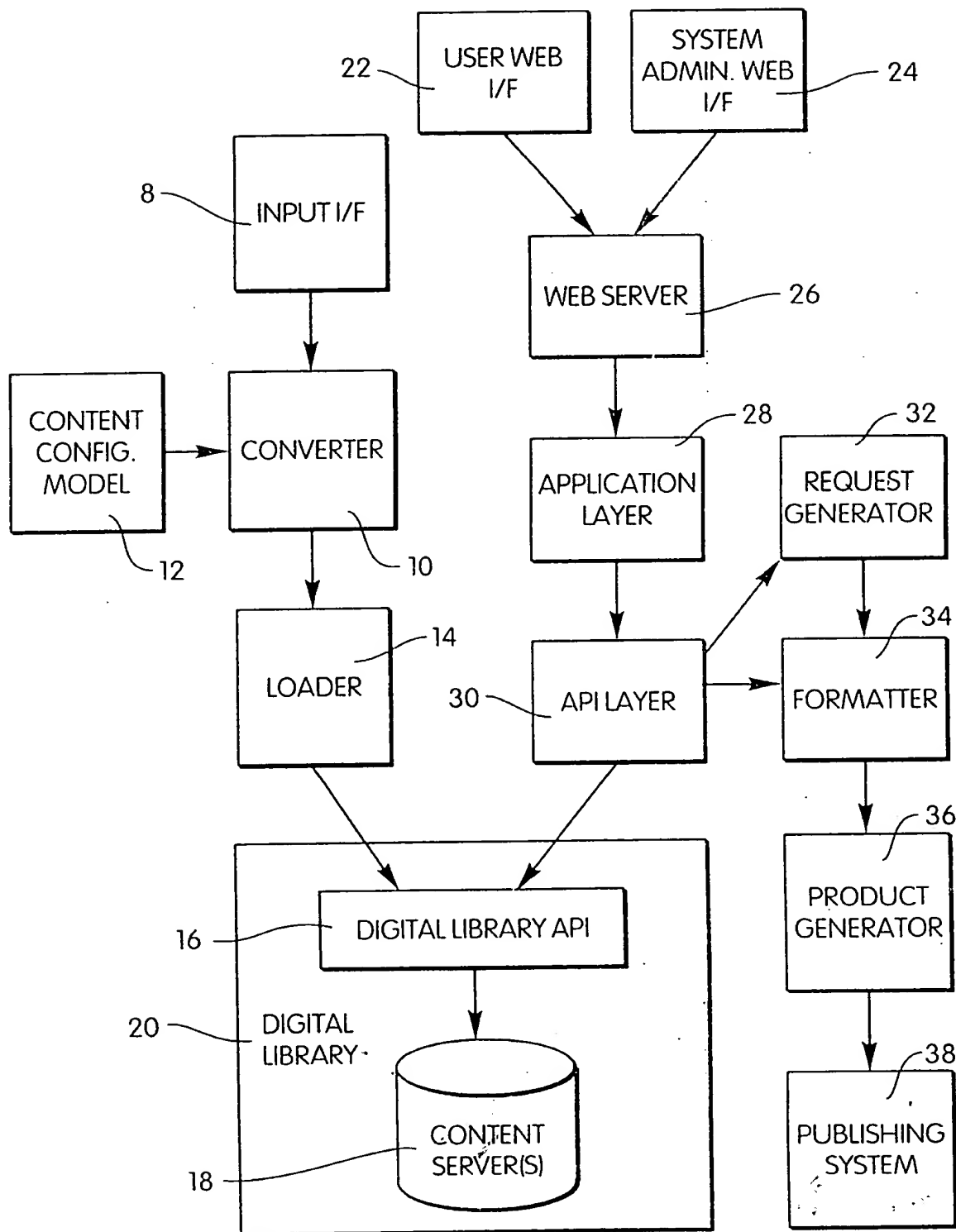


FIG. 1

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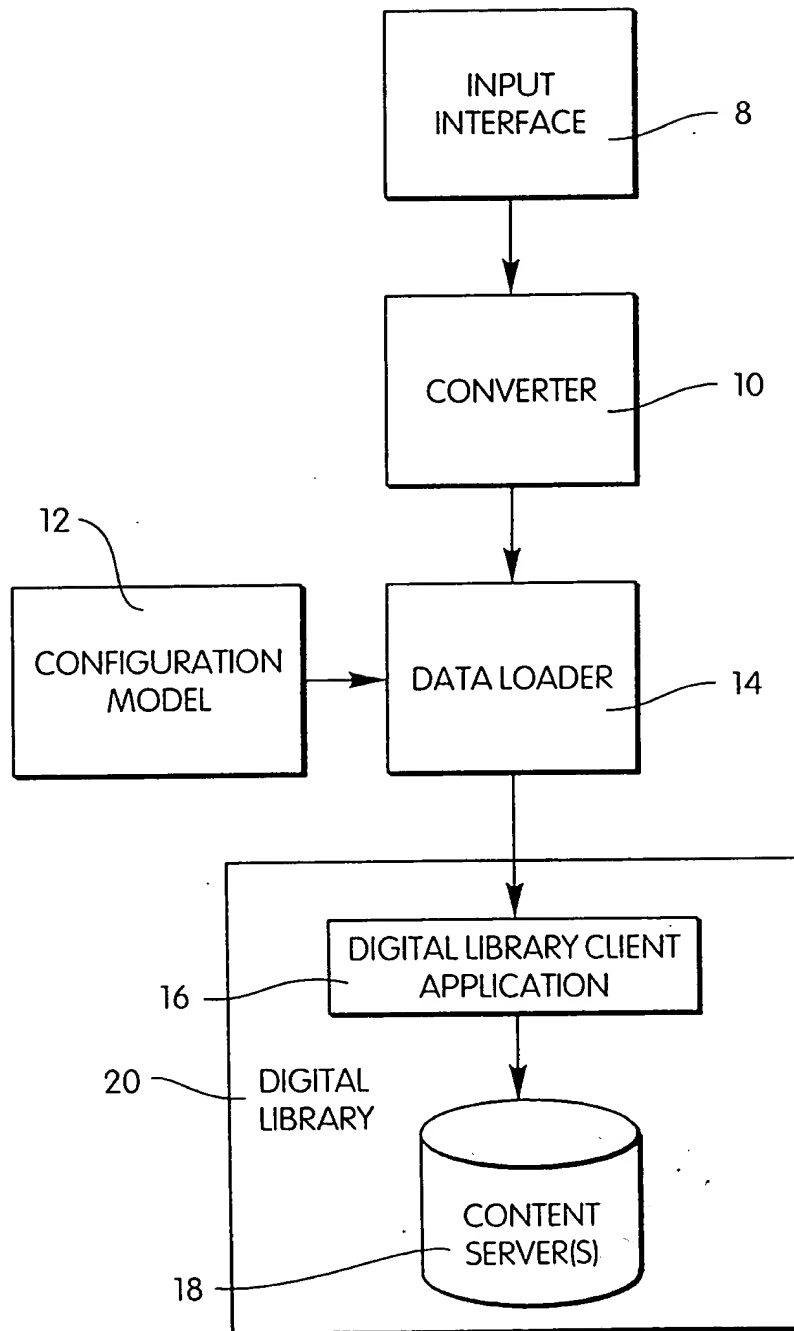


FIG. 2

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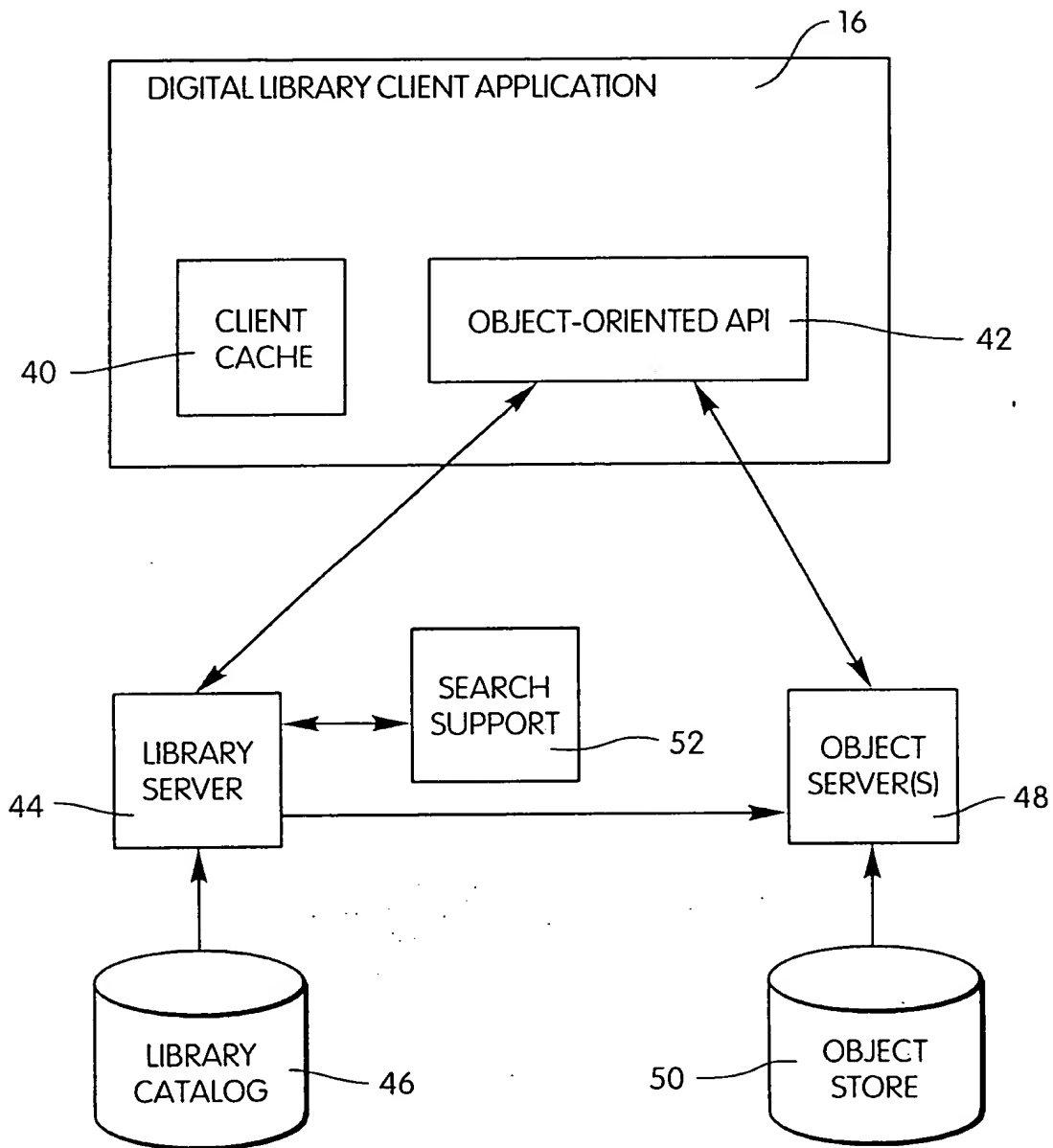


FIG. 3

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*BY	CLASS	SUBCLASS
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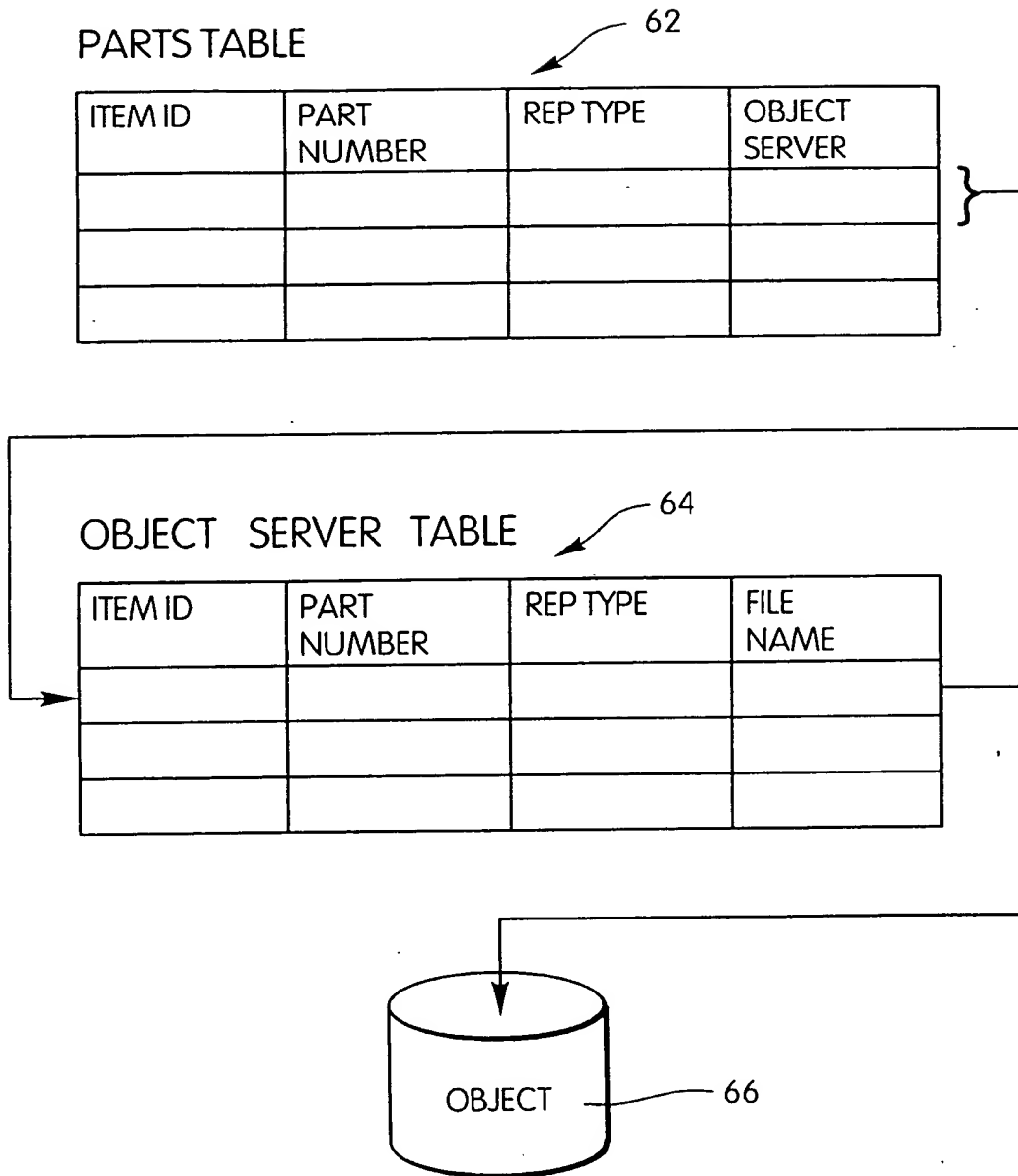


FIG. 4

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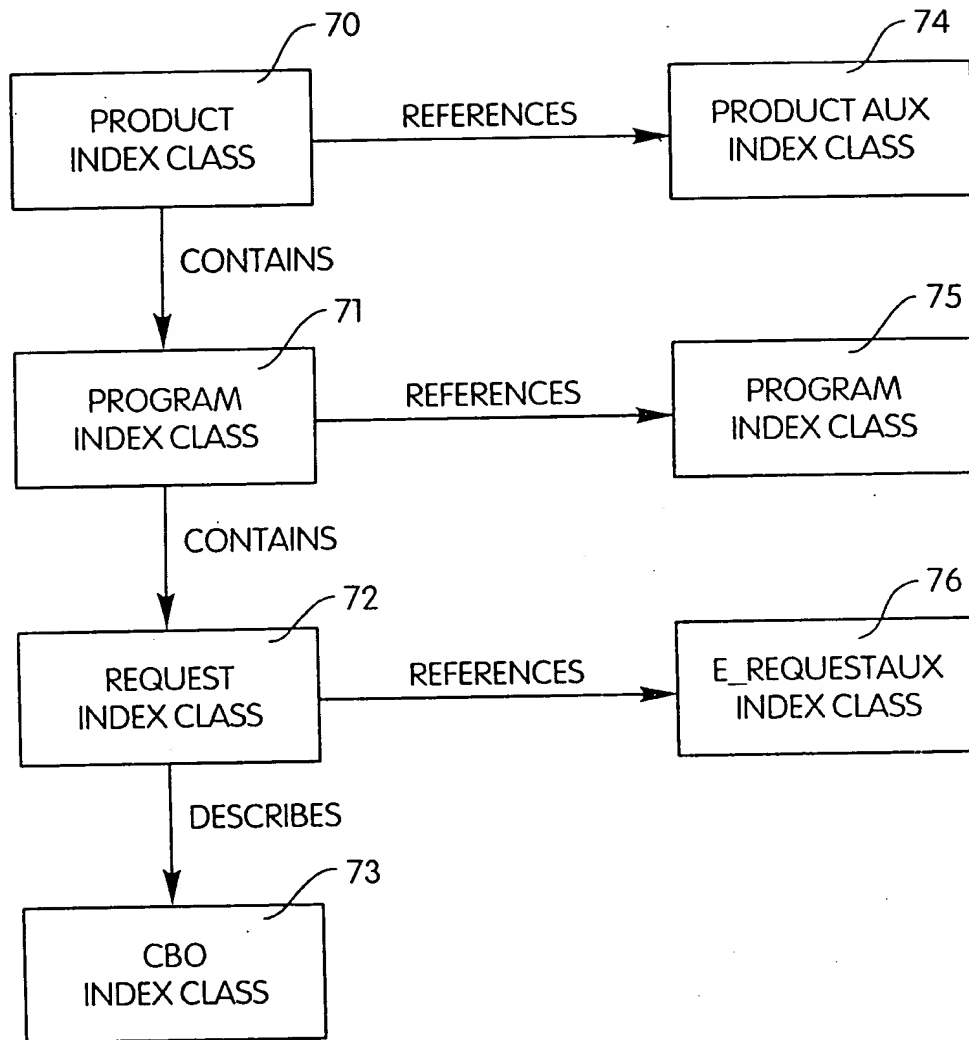


FIG. 5

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
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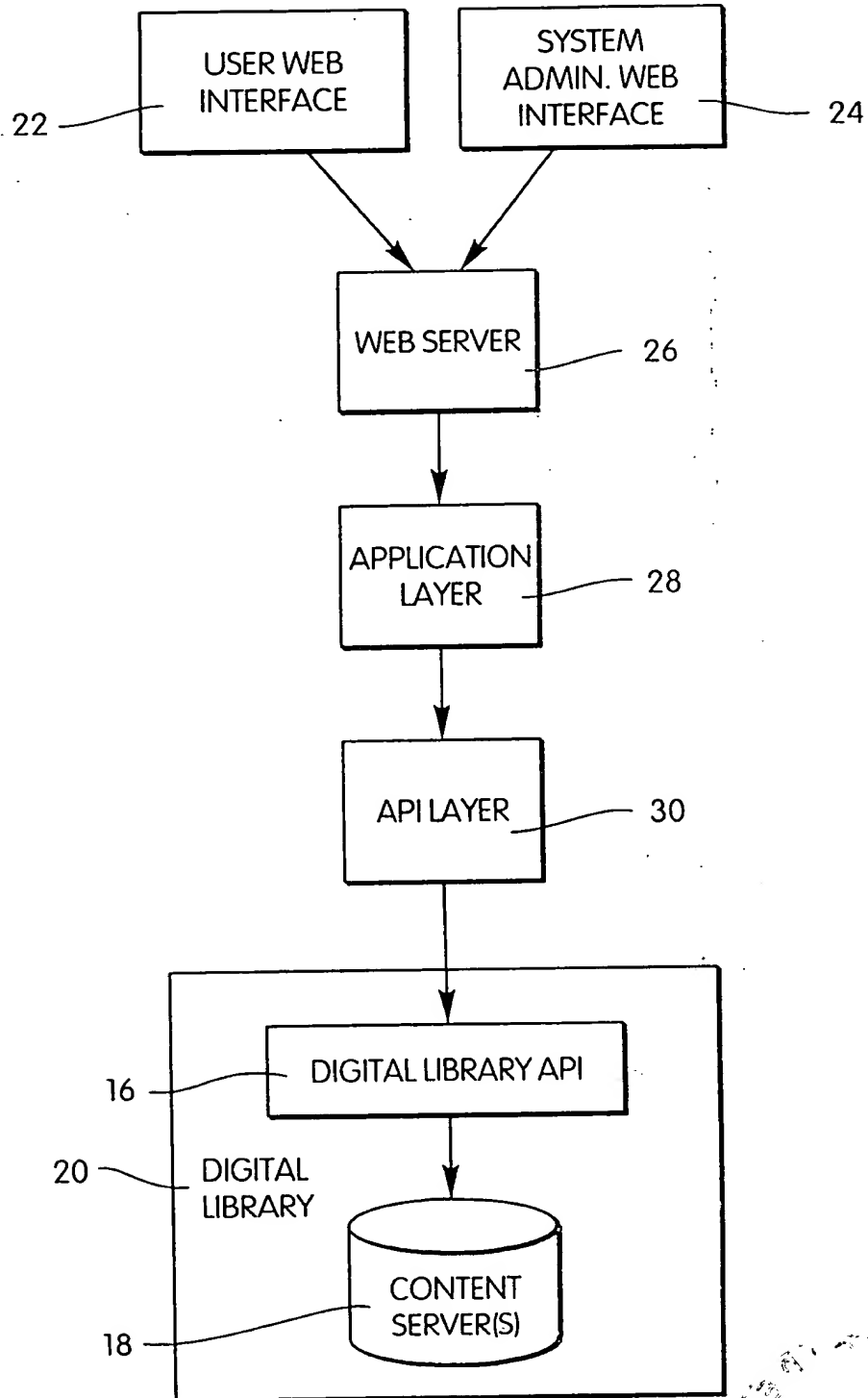


FIG. 6

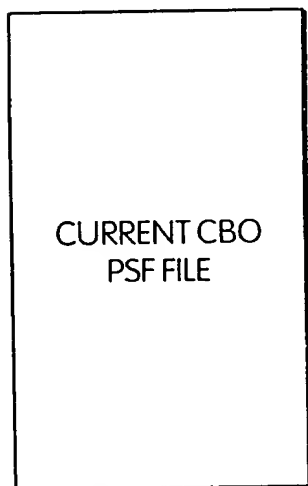
APPROVED	O.G. FIG.	
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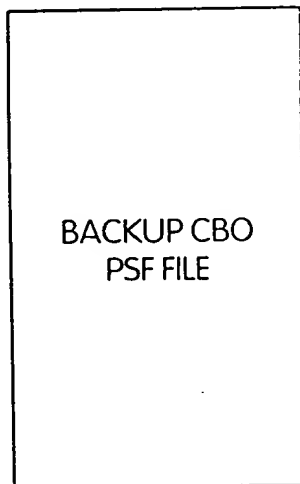


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PART 1



PART 2



PART 5X

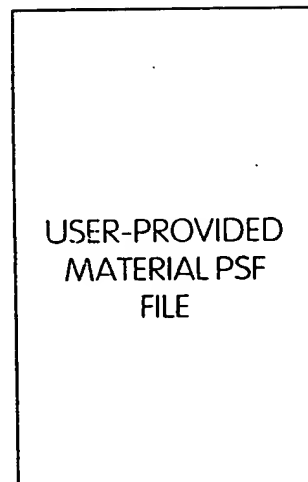


FIG. 7

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FIG. 8A

APPROVED	O.G. FIG.	
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Registration, Page 3 of 3

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FIG. 8B

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FIG. 8C

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FIG. 9A

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CBO	What do you mean?	09/02/1999	Completed	ESOU002051
CBO	Flash, I love you	09/02/1999	Completed	ESOU001058
CBO	He'd save everyone one of us	08/19/1999	Approved	ESOU002009
CBO	12 hours to save the earth	09/23/1999	Completed	ESOU002373
CBO	<u>Holy Smokes Bateman</u>	07/23/1999	Active	N/A
CBO	A Really Really Really Long			

} 114

} 115

CBO — 118

FIG. 9B



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FIG. 10A

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FIG. 11

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Scott D. James

							Price	Pgs.*
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	<input checked="" type="checkbox"/>					CHAPTER 1: Introduction to the Internet		
			<input type="checkbox"/>			1.1 History	0.14	1.4
			<input type="checkbox"/>			1.2 Internet Culture	0.06	0.6
			<input type="checkbox"/>			1.3 Internet Netiquette	0.16	1.6
			<input type="checkbox"/>			1.4 Advantages and Disadvantages of the Internet	0.26	2.6
			<input type="checkbox"/>			1.5 Technical Issues	0.25	2.5
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	<input type="checkbox"/>					CHAPTER 3: Mailing Lists and UseNet News		
	<input type="checkbox"/>					CHAPTER 4: Telnet, FTP, and Locating Files		
	<input type="checkbox"/>					CHAPTER 5: Gopher and WAIS		
	<input type="checkbox"/>					CHAPTER 6: The World Wide Web and HTML		
	<input type="checkbox"/>					CHAPTER 7: Live Communications on the Internet		
			<input type="checkbox"/>			7.1 The Talk Program	0.11	1.1
			<input checked="" type="checkbox"/>			7.2 IRC: Internet Relay Chat	0.36	3.6
			<input checked="" type="checkbox"/>			7.3 The Future of Live Communications	0.54	5.4
	<input type="checkbox"/>					CHAPTER 8: Java		
	<input type="checkbox"/>					CHAPTER 9: Computer Security and the Internet		
	<input type="checkbox"/>					CHAPTER 10: Appendix		

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FIG. 12

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<input checked="" type="checkbox"/> Sections/Objectives/Science/Engineering } 154	0.16	1.6
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<input type="checkbox"/> 1.2 <u>Internet Culture</u>	0.06	0.6
<input type="checkbox"/> 1.3 <u>General Netiquette</u>	0.16	1.6
<input type="checkbox"/> 1.4 <u>Advantages and Disadvantages of the Internet</u>	0.26	2.6
<input type="checkbox"/> 1.5 <u>Technical Issues</u>	0.25	2.5
<input checked="" type="checkbox"/> Summary/Key Terms — 154	0.02	0.2
CHAPTER 2: Live Communications on the Internet — 148		
<input checked="" type="checkbox"/> Sections/Objectives/Science/Engineering } 154	0.06	0.6
Spotlight: Barcode Technologies }		
<input type="checkbox"/> 2.1 <u>IRC: Internet Relay Chat</u>	0.36	3.6
<input type="checkbox"/> 2.2 <u>The Future of Live Communications</u>	0.54	5.4
<input checked="" type="checkbox"/> Summary/Key Terms/Problems — 154	0.04	0.4
<input checked="" type="checkbox"/> Index	0.50	.5
TOTAL	\$ 4.05	40.5

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FIG. 13

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158

160

162

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FIG. 14

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CHAPTER 1: Introduction to the Internet		
Sections/Objectives/Science/Engineering Spotlight: Computer-Integrated Manufacturing	0.16	1.6
1.1 <u>History</u>	0.14	1.4
1.2 <u>Internet Culture</u>	0.06	0.6
1.3 <u>General Netiquette</u>	0.16	1.6
1.4 <u>Advantages and Disadvantages of the Internet</u>	0.26	2.6
1.5 <u>Technical Issues</u>	0.25	2.5
Summary/Key Terms	0.02	0.2
CHAPTER 2: Live Communications on the Internet		
Sections/Objectives/Science/Engineering Spotlight: Barcode Technologies	0.06	0.6
2.1 <u>IRC: Internet Relay Chat</u>	0.36	3.6
2.2 <u>The Future of Live Communications</u>	0.54	5.4
Summary/Key Terms/Problems	0.04	0.4
CHAPTER 3: New Chapter		
Custom Content: The Internet Wave — 164	n/a	0.0
Index	0.50	.5
TOTAL	\$9.04*	40.5

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FIG. 15A

APPROVED	J.G. FIG.	
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Using Good Manners of 121 123

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0.60
6

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0.90
9

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168 ☒ Sections/Objectives/Science/Engineering Spotlight: Computer-Integrated Manufacturing
0.16
1.6

170 ☐ 1.1 History
0.14
1.4

☐ 1.2 Internet Culture
0.06
0.6

166 ☒ 1.3 General Netiquette
0.16
1.6

☐ 1.4 Advantages and Disadvantages of the Internet
0.26
2.6

172 ☐ 1.5 Technical Issues
0.25
2.5

☒ Summary/Key Terms
0.02
0.2

☐ CHAPTER 2: Live Communications on the Internet

174 ☒ Sections/Objectives/Science/Engineering Spotlight: Barcode Technologies
0.06
0.6

☐ 2.1 IRC: Internet Relay Chat
0.36
3.6

178 ☐ 2.2 The Future of Live Communications
0.54
5.4

☒ Summary/Key Terms/Problems
0.04
0.4

☐ CHAPTER 3: New Chapter

180 ☐ Custom Content: The Internet Wave
n/a
0.0

☐ CHAPTER 4: Using Good Manners on the Internet
165

☒ Index
0.50
.5

TOTAL
\$9.04
40.5

FIG. 16

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<input checked="" type="checkbox"/> Sections/Objectives/Science/Engineering	0.16	1.6
Spotlight: Computer-Integrated Manufacturing		
<input type="checkbox"/> 1.1 History	0.14	1.4
<input type="checkbox"/> 1.2 Internet Culture	0.06	0.6
<input checked="" type="checkbox"/> 1.3 General Netiquette	0.16	1.6
<input type="checkbox"/> 1.4 Advantages and Disadvantages of the Internet	0.26	2.6
<input type="checkbox"/> 1.5 Technical Issues	0.25	2.5
<input checked="" type="checkbox"/> Summary/Key Terms	0.02	0.2
CHAPTER 2: Live Communications on the Internet		
<input checked="" type="checkbox"/> Sections/Objectives/Science/Engineering	0.06	0.6
Spotlight: Barcode Technologies		
<input type="checkbox"/> 2.1 IRC: Internet Relay Chat	0.36	3.6
<input type="checkbox"/> 2.2 The Future of Live Communications	0.54	5.4
<input checked="" type="checkbox"/> Summary/Key Terms/Problems	0.04	0.4
CHAPTER 3: New Chapter		
<input type="checkbox"/> Custom Content: The Internet Wave	n/a	0.0
CHAPTER 4: Using Good Manners on the Internet		
<input type="checkbox"/> 4.1 General Netiquette — 166	0.16	1.6
<input checked="" type="checkbox"/> Index	0.50	.5
TOTAL	\$9.04	40.5

FIG. 17

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CHAPTER 1: Introduction to the Internet	15
Sections/Objectives/Science/Engineering Spotlight: Computer-Integrated Manufacturing	15
1.1 <u>History</u> — 190	16
1.2 <u>Internet Culture</u>	18
1.3 <u>Advantages and Disadvantages of the Internet</u>	18
1.4 <u>Technical Issues</u>	21
Summary/Key Terms	23
CHAPTER 2: Live Communications on the Internet	23
Sections/Objectives/Science/Engineering Spotlight: Barcode Technologies	23
2.1 <u>IRC: Internet Relay Chat</u>	24
2.2 <u>The Future of Live Communications</u>	28
Summary/Key Terms/Problems	33
CHAPTER 3: New Chapter	33
Custom Content: <u>The Internet Wave</u>	23
CHAPTER 4: Using Good Manners on the Internet	33
4.1 <u>General Netiquette</u>	33
Index	35

FIG. 18

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<input checked="" type="checkbox"/> Preface	0.90	9
<input type="checkbox"/> CHAPTER 1: New Chapter		
<input type="checkbox"/> 1.1 Guaranteed Ideas — 201	204 0.06	203 0.6
<input type="checkbox"/> 1.2 Intro. Study Engineering — 202	206 0.10	205 1.0
<input checked="" type="checkbox"/> Index	206 0.50	207 5
TOTAL	208 \$2.16	207 21.6

* Approximate

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Book

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FIG. 19

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0.60

6

Preface

0.90

9

CHAPTER 1: Professionalism and Code of Ethics — 221

Sections/Objectives — 154

0.07

0.7

1.1 Introduction

0.02

0.2

1.2 Intro. Study Engineering

0.50

5.0

1.3 Code of Ethics

0.07

6.7

Key terms/Problems — 154

0.20

2.0

Index

0.50

5

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36.6

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FIG. 20A

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VOLUME 1 ~223		
<input checked="" type="checkbox"/> Table of Contents	0.60	6
<input checked="" type="checkbox"/> Preface	0.90	9
<input type="checkbox"/> CHAPTER 1: Professionalism and Code of Ethics ~221		
<input checked="" type="checkbox"/> Sections/Objectives	0.07	0.7
<input type="checkbox"/> 1.1 Introduction	0.02	0.2
<input type="checkbox"/> 1.2 Intro. Study Engineering	0.50	5.0
<input type="checkbox"/> 1.3 Code of Ethics	0.07	6.7
<input checked="" type="checkbox"/> Key terms/Problems	0.20	2.0
<input checked="" type="checkbox"/> Index	0.50	5
VOLUME 2 ~225		
<input checked="" type="checkbox"/> Table of Contents	0.60	6
<input checked="" type="checkbox"/> Preface	0.90	9
<input type="checkbox"/> CHAPTER 1: Understanding Ethical Problems ~224		
<input checked="" type="checkbox"/> Sections/Objectives ~154	0.05	0.5
<input type="checkbox"/> 1.1 Introduction ~227	0.03	0.3
<input type="checkbox"/> 1.2 A Brief History of Ethical Problems	0.07	0.7
<input type="checkbox"/> 1.3 Ethical Theories	0.90	9.0
<input checked="" type="checkbox"/> Key terms/Problems ~154	0.14	1.4
<input checked="" type="checkbox"/> Index	0.50	5
TOTAL	\$ 16.05	68.5

226

Internet

FIG. 20B

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	Contents	Price	Pgs.*
VOLUME 1			
<input checked="" type="checkbox"/>	Table of Contents	0.60	6
<input checked="" type="checkbox"/>	Preface	0.90	9
CHAPTER 1: Professionalism and Code of Ethics			
<input checked="" type="checkbox"/>	Sections/Objectives	0.07	0.7
<input type="checkbox"/>	1.1 Introduction	0.02	0.2
<input type="checkbox"/>	1.2 A Engineering Ethics Code	0.50	5.0
<input type="checkbox"/>	1.3 Code of Ethics	0.87	8.7
<input type="checkbox"/>	1.4 Introduction ~227	0.03	0.3
<input checked="" type="checkbox"/>	Key terms/Problems	0.02	2.0
<input checked="" type="checkbox"/>	Index	0.50	5
VOLUME 2			
<input checked="" type="checkbox"/>	Table of Contents	0.60	6
<input checked="" type="checkbox"/>	Preface	0.90	9
CHAPTER 2: Understanding Ethical Problems			
<input checked="" type="checkbox"/>	Sections/Objectives	0.05	0.5
<input type="checkbox"/>	2.1 A Brief History of Ethical Thought	0.07	0.7
<input type="checkbox"/>	2.2 Ethical Theories	0.90	9.0
<input checked="" type="checkbox"/>	Key terms/Problems	0.14	1.4
<input checked="" type="checkbox"/>	Index	0.50	5
TOTAL		\$ 16.05	68.5
* Approximate			

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Internet


FIG. 20C

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AND

Search for Words Found in Chapter Titles

232

CBO

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AND

Search for Words Found in Section Titles

233

CBO

study OR skills

234

Examples

Index Terms

Single Word Search

Internet

Multiple Word Search

Internet Applications

Note: Multiple word searching will return all instances of Internet or Application.

Chapter or Section Titles

Single Word Search

Internet

Phrase Search

Internet Applications

(optionally)

Internet Applications

Multiple Word Search

using AND

Internet AND Application

Document Done

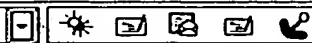



FIG. 21A

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Engineering Survey

	Price	Pgs.*
▶ CONTENTS		
▶ <input type="checkbox"/> CHAPTER 2: Introduction to Engineering and Engineering Study		
<input type="checkbox"/> 2.1 What Is Engineering?	0.09	0.9
<input type="checkbox"/> 2.3 Why Choose to Study Engineering?	0.12	12
<input type="checkbox"/> 2.4 Equipping Yourself for Engineering Study	0.24	24
▶ <input type="checkbox"/> CHAPTER 5: Key Strategies for Maximizing Performance in Engineering Courses		
<input type="checkbox"/> 5.7 Using Tutors and Studying	0.16	16
▶ <input type="checkbox"/> CHAPTER 9: Developing Engineering Skills		
<input type="checkbox"/> 9.1 Communication Skills	0.52	52

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FIG. 21B

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FIG. 22A

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<input type="checkbox"/>	Taylor, James	Duke	Electrical Engineering	10/01/99
<input type="checkbox"/>	Streisand, Barb	Harvard	Applied Physics	11/05/99
<input type="checkbox"/>	Clinton, Bill	Oxford	Physical Sciences	09/10/99
<input type="checkbox"/>	Reno, Janet	MIT	Electrical Engineering	01/06/00
<input type="checkbox"/>	Taylor, Tim	Stanford	Metalurgy	08/21/99

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← 225

FIG. 22B

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Title

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- ☐ Introduction to Digital Design
- ☐ Design Theory
- ☐ Statistical Analysis

261

COMMIT

262

FIG. 22C

Submitted Custom Books

271

272

CBO Title	Owner
<u>Fundamental Engineering Concepts</u>	<u>Taylor, James</u>
<u>Technical Internships: Gaining Hands-On Experience</u>	<u>Bill Clinton</u>
<u>Ethical Dilemmas in the Engineering Field</u>	<u>Al Gore</u>
<u>Basic Study Skills</u>	<u>Al Bundy</u>
<u>Approach to Statistical Methods</u>	<u>Janet Reno</u>

FIG. 22D

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281		282		283	
Approve		Reject		Return	
VOLUME 1: New Custom Book Volume Number 1					
<input checked="" type="checkbox"/>	Table of Contents				
<input checked="" type="checkbox"/>	Preface				
CHAPTER 1: New Chapter					
Custom Content: <u>New IPM Section</u> 284					
<div> <div> IPM Element 1: <div> <div>285</div> <div> <input checked="" type="radio"/> Text <input type="radio"/> Code </div> </div> <div> New IPM Section New IPM Section </div> </div> <div> <div>286</div> <div> <div> <div>◀</div> <div>▶</div> </div> <div> <div>▶</div> <div>▼</div> </div> </div> <div> <div>287</div> <div> <div> <div>◀</div> <div>▶</div> </div> <div> <div>▶</div> <div>▼</div> </div> </div> </div> </div> </div>					
<div> <div> <div>◀</div> <div>▶</div> </div> <div> <div>▶</div> <div>▼</div> </div> </div> <div> Editor's Comments: (none) </div>					
CHAPTER 2: Professionalism and Code of Ethics					
<input checked="" type="checkbox"/>	Professionalism and Code of Ethics/Sections/Objectives				
2.1 <u>Introduction</u>					
2.2 <u>Is Engineering a Profession?</u>					
2.3 <u>Code of Ethics</u>					
CHAPTER 3: Introduction					
<input checked="" type="checkbox"/>	Introduction/Sections/Objectives				
3.1 <u>Background Ideas</u>					
3.2 <u>Why Study Engineering Ethics?</u>					
3.3 <u>Personal vs. Business Ethics</u>					
3.4 <u>The Orgins of Ethical Thoughts</u>					

FIG. 22E

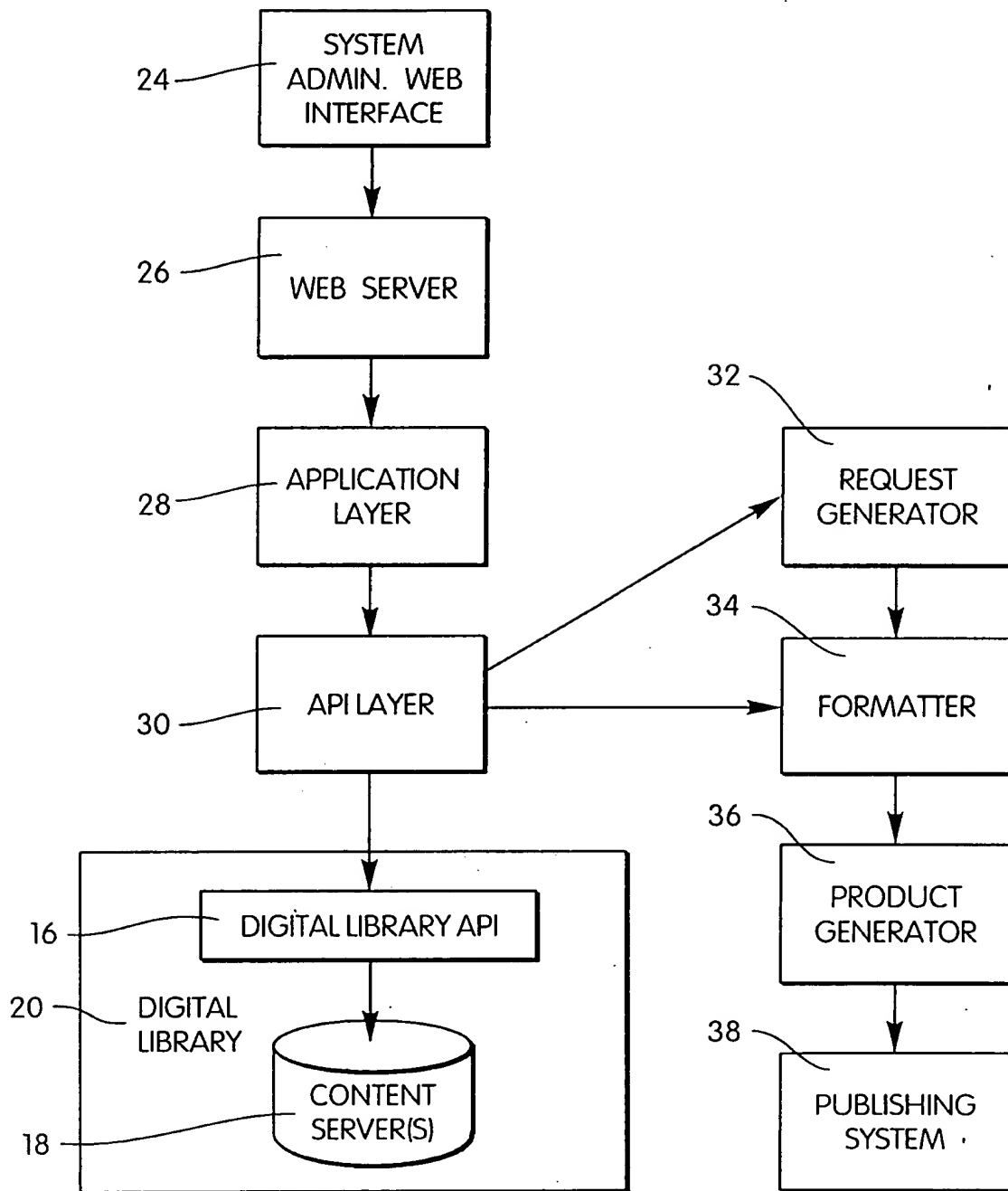


FIG. 23

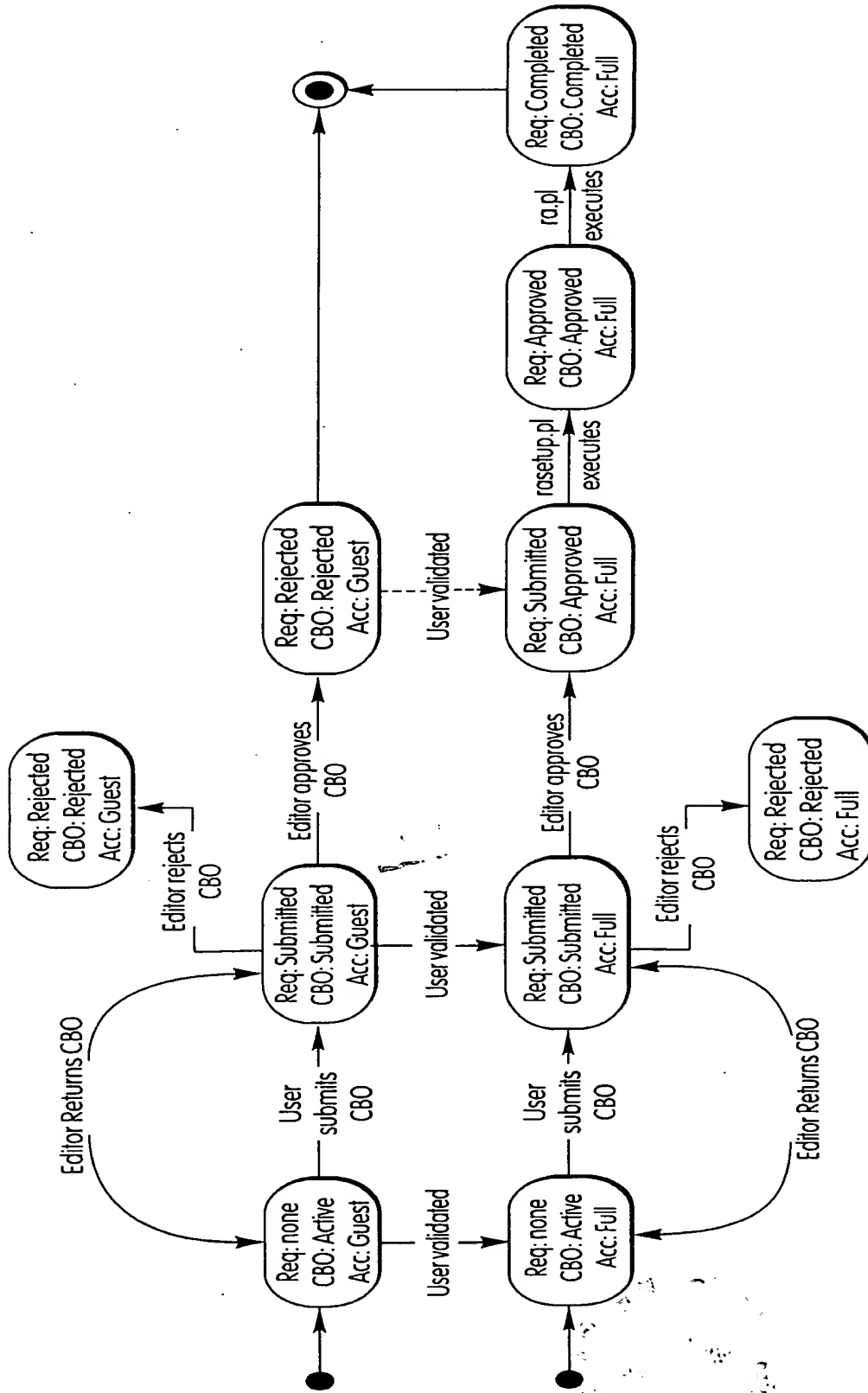


FIG. 24